

ABSTRACT OF THE DISCLOSURE

Apparatus for performing a transesophageal cardiovascular procedure includes an elongated tubular main access device having the first lumen with open proximal end and a side opening distal end, and a second lumen with open ends. A balloon having a wall
5 on the outside of the device surrounds the distal end and a fluid conduit extends along the device for inflating the balloon so that when the device is inserted into a patient's esophagus and the balloon is inflated, the portion of the esophagus opposite the distal end is isolated from the remainder of the esophagus. The apparatus may also include a side access unit having an elongated flexible coaxial inner and outer tubes having proximal and
10 distal ends and being movable relatively in the axial direction. First seals are mounted to the distal end of the outer tube, and second seals are mounted to the distal end of the inner tube, an actuator adjacent to the proxable ends of the tubes move the tubes relatively so as to vary the axial spacing the first and second seals. Various methods for using the apparatus are also disclosed.